



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera](http://www.miamidade.gov/pera)

**NOTICE OF ACCEPTANCE (NOA)**

EcoStar, LLC  
42 Edgewood Drive  
Holland, NY. 14080

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Shingle Products (Traditional Slate, Beaver Tail Slate, Beveled Edge Slate, Chisel Point Slate, Seneca Shake, Seneca Shake Plus)**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This revises NOA#11-0506.01 and consists of pages 1 through 9.  
The submitted documentation was reviewed by Alex Tigera.



NOA No. 12-0514.12  
Expiration Date: 11/03/16  
Approval Date: 08/23/12  
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**ROOFING ASSEMBLY APPROVAL**

**Category:** Roofing  
**Sub-Category:** Slate  
**Materials:** Composite  
**Deck Type:** Wood  
**Maximum Design Pressure** -90 psf  
**Fire Classification Pressure** See General Limitation #1

**TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:**

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Traditional Slate	18" long, 12" wide, 1/4" thick	TAS 110	Slate looking composite shingle
Beaver Tail Slate	18" long, 12" wide, 1/4" thick	TAS 110	Slate looking composite shingle
Beveled Edge Slate	18" long, 12" wide, 1/4" thick	TAS 110	Slate looking composite shingle
Chisel Point Slate	18" long, 12" wide, 1/4" thick	TAS 110	Slate looking composite shingle
Seneca Shake	19-1/8" long, 6", 9", 12" wide, 0.30" thick	TAS 110	Shake looking composite shingle
Seneca Plus Shake	19" long, 6", 9", 12" wide, 1/4" thick	TAS 110	Shake looking composite shingle

**MANUFACTURING LOCATION:**

- Holland, NY

**EVIDENCE SUBMITTED:**

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Architectural Testing Incorporated	ATI-39866.02	TAS 100	09/19/01
	ATI-41583.03	TAS 135	08/05/05
	ATI-41583.03	ASTM D 635	08/05/05
	ATI-41583.03	ASTM D 1929	08/05/05
	A4326.01-109-18	TAS 125	02/28/11
	A4326.02-109-18	TAS 100	02/28/11
	A4326.03-106-18	ASTM D 2843	01/03/11
	A4335.01-109-18	TAS 125	02/28/11
	A4335.02-109-18	TAS 100	02/28/11
	A4335.03-106-18	ASTM D 2843	01/03/11
Underwriters Laboratories Inc.	98NK28255	UL 790	10/19/04



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## APPROVED SYSTEMS:

<b>Product:</b>	Traditional Slate, Beavertail Slate, Beveled Edge Slate, Chisel Point Slate
<b>Deck Type:</b>	Wood, Non-insulated
<b>Deck Description:</b>	<sup>19</sup> / <sub>32</sub> " or greater plywood or wood plank.
<b>Slope Range:</b>	2:12 or greater
<b>Maximum Uplift Pressure:</b>	See Table A below.

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**Deck Attachment:** In accordance with applicable Building Code, but in no case shall the sheathing be installed with #8d ring shank nails spaced 6" around the board perimeter and 6" o.c. in the board field. In reroofing, where the deck is less than 19/32" thick (Minimum 15/32") The above attachment method must be in addition to existing attachment.

**Underlayment:** Underlayment shall be applied in accordance with applicable Building Code. One layer of ASTM D 226 Type II felt overlapped 19" and 6" end lap. Underlayment shall be installed with minimum 12 ga. corrosion resistant ring shank nails and tin caps, spaced 12" o.c. staggered in the field and 6" o.c. at the laps. Or, any approved underlayment having a current NOA.

Install an approved self adhered underlayment along the perimeter of the entire deck. Install as per the current Notice of Acceptance of the self adhered underlayment.

**Fire Barrier:** Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. See Limitation # 1.

**Valleys:** Valley metal shall be a minimum 16" wide 26 gage G-90 galvanized steel. Valley metal shall be set over a minimum 36" wide sweat sheet of approved self-adhered membrane. Valley metal shall be secured with roofing nails spaced a maximum 4" o.c. at the outer most part of metal on each side. When additional protection for the valley metal edges is required the edges shall be stripped-in with an "ice & water shield" type product. Valley details shall be completed in accordance with the current published manufacturer's literature.

**Ridge & Hips:** See EcoStar LLC's published installation manual for detail.

**Starter:** Install a starter row of shingles along the eave edge. Begin installing the first row of shingles by completely covering the starter row with the first row of shingles. Offset the shingles by half a shingle width from the starter row. Continue installing rows of shingles up the slope until the roof deck is covered. The shingles can be cut as needed by scoring with a utility knife and snapping by hand. Install pre-formed ridge shingles to all hips and ridges.



**General**

**Application:**

EcoStar Shingle Products shall be installed in accordance with EcoStar’s current published installation specifications using a maximum 7” exposure for the Slate products (see Detail B). EcoStar Shingle Products shall be fastened with the number of fasteners listed below in Table A.

Each shingle must be bent by hand in a downward arch before attaching to the roof deck to ensure a flat installation. Do not butt the shingles tight together. Maintain a 3/8” gap between adjacent shingles by aligning each successive row of shingles with the vertical guidelines molded into the shingles. Each row of shingles must be offset by half a shingle width from the row below to cover the nails previously installed.

The exposed shingle tabs shall be secured with a ¼” wide bead of Dow Corning 790 silicone approximately 2” above the bottom edge to adhere new course to the course underneath.

<b>TABLE A MAXIMUM DESIGN PRESSURES</b>		
<b>Roof Areas</b>	<b>Field</b>	<b>Perimeter and Corner<sup>A</sup></b>
<b>Maximum Design Pressures</b>	<b>-75 psf</b>	<b>-90 psf</b>
<b>Amount of Fasteners<sup>B</sup></b>	<b>2<sup>C</sup></b>	<b>3<sup>D</sup></b>

- A. Extrapolation shall not be allowed**
- B. Use 1-1/2” long, corrosion resistant roofing nails (stainless steel is recommended) at the nail locations molded into the shingles (see Detail A).**
- C. Place fasteners at the nail locations molded into the shingles (see Detail A).**
- D. Place fasteners at the nail locations molded into the shingles and one additional fastener in the midspan of the two nailing locations offset so as not to be exposed at the gap between the overlying tiles.**



**Product:** Seneca Shake, Seneca Plus Shake  
**Deck Type:** Wood, Non-insulated  
**Deck Description:** 1<sup>9</sup>/<sub>32</sub>" or greater plywood or wood plank.  
**Slope Range:** 2:12 or greater  
**Maximum Uplift Pressure:** -70 psf (See General Limitation #2)

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**Deck Attachment:** In accordance with applicable Building Code, but in no case shall the sheathing be installed with #8d ring shank nails spaced 6" around the board perimeter and 6" o.c. in the board field. In reroofing, where the deck is less than 19/32" thick (Minimum 15/32") The above attachment method must be in addition to existing attachment.

**Underlayment:** Underlayment shall be applied in accordance with applicable Building Code. One layer of ASTM D 226 Type II felt overlapped 19" and 6" end lap. Underlayment shall be installed with minimum 12 ga. corrosion resistant ring shank nails and tin caps, spaced 12" o.c. staggered in the field and 6" o.c. at the laps. Or, any approved underlayment having a current NOA.

Install an approved self adhered underlayment along the perimeter of the entire deck. Install as per the current Notice of Acceptance of the self adhered underlayment.

**Fire Barrier:** Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. See Limitation # 1.

**Valleys:** Valley metal shall be a minimum 16" wide 26 gage G-90 galvanized steel. Valley metal shall be set over a minimum 36" wide sweat sheet of approved self-adhered membrane. Valley metal shall be secured with roofing nails spaced a maximum 4" o.c. at the outer most part of metal on each side. When additional protection for the valley metal edges is required the edges shall be stripped-in with an "ice & water shield" type product. Valley details shall be completed in accordance with the current published manufacturer's literature.

**Ridge & Hips:** See EcoStar LLC's published installation manual for detail.

**Starter:** Install a starter row of shingles along the eave edge. Begin installing the first row of shingles by completely covering the starter row with the first row of shingles. Offset the shingles by half a shingle width from the starter row. Continue installing rows of shingles up the slope until the roof deck is covered. The shingles can be cut as needed by scoring with a utility knife and snapping by hand. Install pre-formed ridge shingles to all hips and ridges.



## General

### Application:

EcoStar Shingle Products shall be installed in accordance with EcoStar's current published installation specifications using a maximum 8" exposure for the Shake products (see Detail B). EcoStar Shingle Products shall be fastened using two 1-1/2" long, corrosion resistant roofing nails (stainless steel is recommended). In the perimeter and corner areas, place one additional fastener in the midspan of the two nailing locations offset so as not to be exposed at the gap between the overlying tiles. Only use additional nail for the 12" and 9" wide shakes.

Each shingle must be bent by hand in a downward arch before attaching to the roof deck to ensure a flat installation. Do not butt the shingles tight together. Maintain a 3/8" gap between adjacent shingles by aligning each successive row of shingles with the vertical guidelines molded into the shingles. Each row of shingles must be offset by half a shingle width from the row below to cover the nails previously installed.

The exposed shingle tabs shall be secured with a 1/4" wide bead of Dow Corning 790 silicone approximately 2" above the bottom edge to adhere new course to the course underneath.



## GENERAL LIMITATIONS:

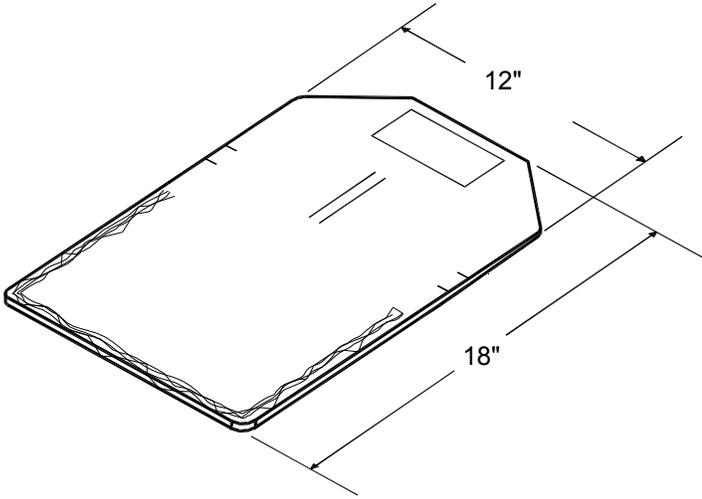
1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
3. All panels shall be permanently labeled with the manufacturer's name and/or logo, and the following statement: "Miami-Dade County Product Control Approved" **or** with the Miami-Dade County Product Control Seal as seen below.



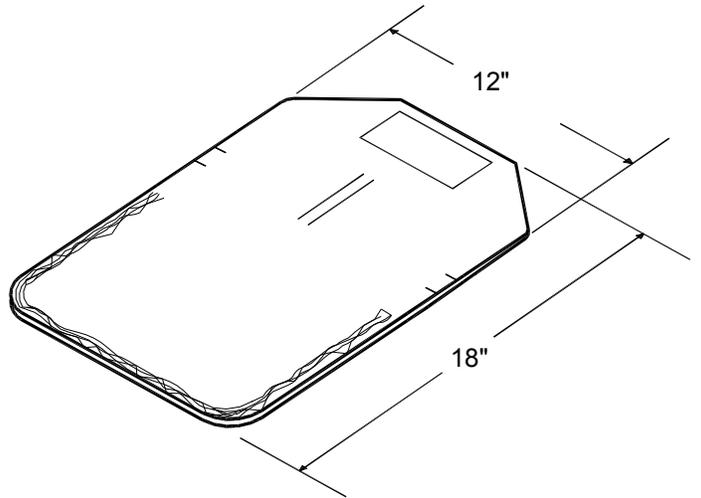
4. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9N-3 of the Florida Administrative Code.



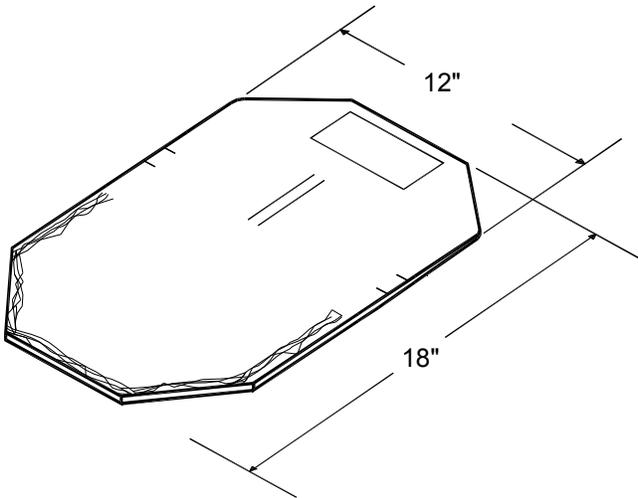
**DRAWINGS  
DETAIL A  
SLATE PRODUCTS**



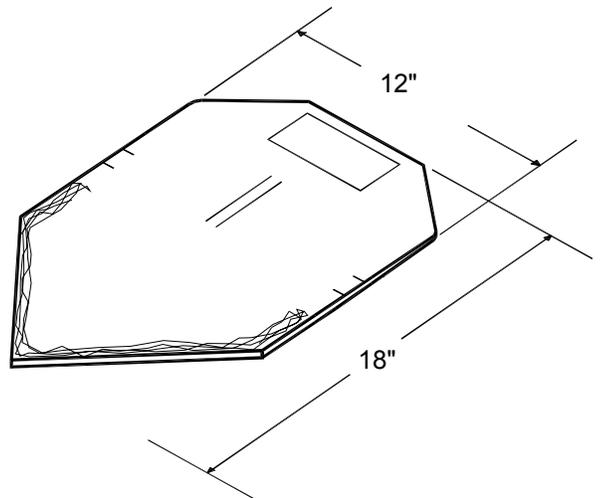
**TRADITIONAL SLATE**



**BEAVER TAIL SLATE**



**BEVELED EDGE SLATE**

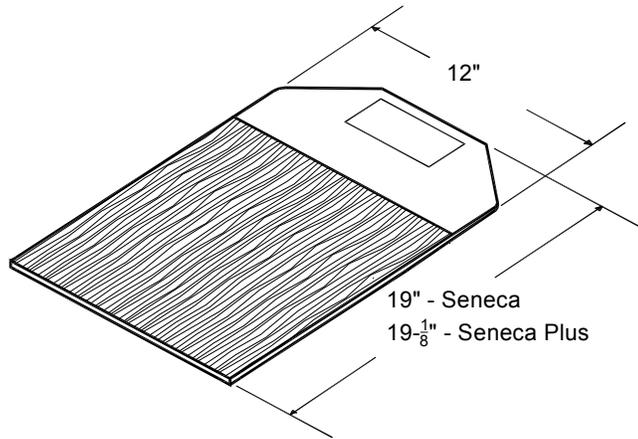


**CHISEL POINT SLATE**

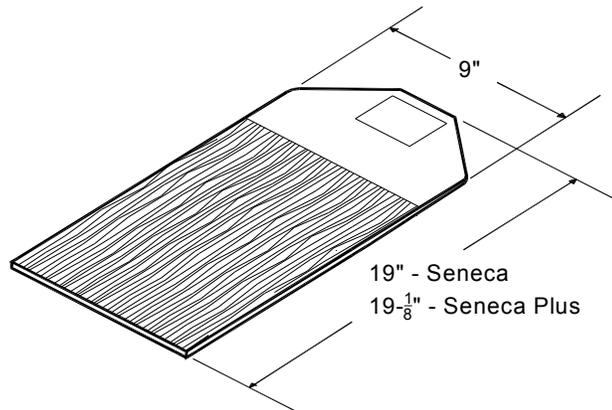


**DETAIL B**  
**SENECA SHAKE AND SENECA PLUS SHAKE**

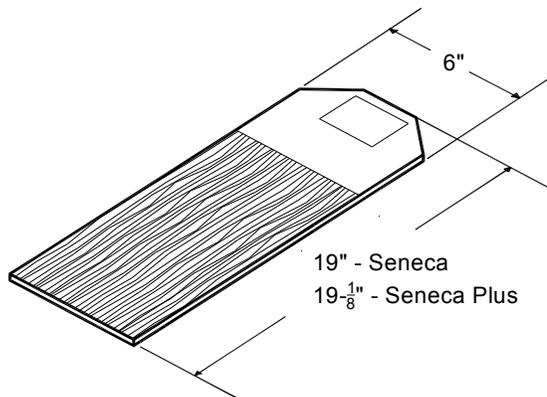
**TYPICAL 12" WIDE SHAKE**



**TYPICAL 9" WIDE SHAKE**



**TYPICAL 6" WIDE SHAKE**



**END OF THIS ACCEPTANCE**

